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Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 20020115567 A1 WO 200206251 A1 DE 10035038 A1 AU 200169116 A

L1: Entry 1 of 1 File: DWPI Aug 22, 2002

DERWENT-ACC-NO: 2002-195793
DERWENT-WEEK: 200258

TITLE: New 2-aralkylamino-1,3,5-triazine derivatives, useful as plant growth regulators or pre- or post-emergence herbicides, especially as selective herbicides in crops such as rice

INVENTOR: AULER, T; BIERINGER, H ; GIENCKE, W ; MENNE, H ; WILLMS, L

PRIORITY-DATA: 2000DE-1035038 (July 19, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20020115567 A1	August 22, 2002		000	A01N043/66
WO 200206251 A1	January 24, 2002	G	140	C07D251/18
DE 10035038 A1	January 31, 2002		000	C07D251/18
AU 200169116 A	January 30, 2002		000	C07D251/18

INT-CL (IPC): A01 N 43/66; A01 N 43/68; A01 N 43/70; C07 D 251/18; C07 D 251/40; C07 D 403/12; C07 D 405/12; C07 D 413/12; C07 D 417/12

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Terms	Documents
US20020115567A1	1

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L3: Entry 1 of 1 File: PGPB Aug 2, 2001

PGPUB-DOCUMENT-NUMBER: 20010011063
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010011063 A1

TITLE: Substituted 2,4-diamino-1,3,5-triazines, processes for their preparation and their use as herbicides and plant growth regulators

PUBLICATION-DATE: August 2, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Giencke, Wolfgang	Hofheim		DE	
Willms, Lothar	Hofheim		DE	
Auler, Thomas	Bad Soden		DE	
Bieringer, Hermann	Eppstein		DE	
Rosinger, Christopher	Hofheim		DE	

APPL-NO: 09/ 735851 [PALM]
DATE FILED: December 13, 2000

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	DOC-ID	APPL-DATE
DE	199 60 683.8	1999DE-199 60 683.8	December 15, 1999

INT-CL: [07] A01 N 43/66

US-CL-PUBLISHED: 504/231; 544/212
US-CL-CURRENT: 504/231; 544/212

ABSTRACT:

Compounds of the formula (I) and salts thereof in optically active form, 1

in which

R.sup.1, R.sup.2, R.sup.3, R.sup.4, A, X and n are as defined in claim 1, are suitable for use as herbicides and plant growth regulators. The compounds (I) can be prepared by processes according to claim 7 via intermediates, some of which are novel, for example of the formulae (III) and (V).

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L1: Entry 1 of 1 File: DWPI Jun 26, 2002

DERWENT-ACC-NO: 2000-098914
DERWENT-WEEK: 200251

TITLE: New triazine derivatives useful as selective herbicides and plant growth regulators

INVENTOR: AULER, T; BIERINGER, H ; GIENCKE, W ; MINN, K ; ROSINGER, C ; WILLMS, L

PATENT-ASSIGNEE: HOECHST-SCHERING AGREVO GMBH (AGRE), AVENTIS CROPSCIENCE GMBH (AVET), AULER T (AULEI), BIERINGER H (BIERI), GIENCKE W (GIENI), MINN K (MINNI), ROSINGER C (ROSII), WILLMS L (WILLI)

PRIORITY-DATA: 1998DE-1026670 (June 16, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
ZA 200007209 A	June 26, 2002		113	A01N000/00
DE 19925329 A1	December 23, 1999		051	C07D251/18
WO 9965882 A1	December 23, 1999	G	000	C07D251/18
AU 9945047 A	January 5, 2000		000	C07D251/18
CZ 200004666 A3	March 14, 2001		000	C07D251/18
BR 9911350 A	March 13, 2001		000	C07D251/18
EP 1087948 A1	April 4, 2001	G	000	C07D251/18
SK 200001935 A3	June 11, 2001		000	C07D251/18
KR 2001052880 A	June 25, 2001		000	C07D251/18
HU 200102663 A2	November 28, 2001		000	C07D251/18
JP 2002518378 W	June 25, 2002		133	C07D251/18
US 20020091260 A1	July 11, 2002		000	C07D251/54

DESIGNATED-STATES: AE AL AM AU AZ BA BB BG BR BY CA CN CU CZ EE GD GE HR HU ID IL IN IS JP KG KP KR KZ LC LK LR LT LV MD MG MK MN MX NO NZ PL RO RU SG SI SK SL TJ TM TR TT UA UZ VN YU ZA AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW AT BE CH DE DK ES FI FR GB GR IE IT LI NL PT RO SE

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
ZA 200007209A	December 6, 2000	2000ZA-0007209	
DE 19925329A1	June 2, 1999	1999DE-1025329	
WO 9965882A1	June 2, 1999	1999WO-EP03817	
AU 9945047A	June 2, 1999	1999AU-0045047	
AU 9945047A		WO 9965882	Based on
CZ 200004666A3	June 2, 1999	1999WO-EP03817	
CZ 200004666A3	June 2, 1999	2000CZ-0004666	
CZ 200004666A3		WO 9965882	Based on
BR 9911350A	June 2, 1999	1999BR-0011350	
BR 9911350A	June 2, 1999	1999WO-EP03817	
BR 9911350A		WO 9965882	Based on
EP 1087948A1	June 2, 1999	1999EP-0927843	
EP 1087948A1	June 2, 1999	1999WO-EP03817	
EP 1087948A1		WO 9965882	Based on
SK 200001935A3	June 2, 1999	1999WO-EP03817	
SK 200001935A3	June 2, 1999	2000SK-0001935	
SK 200001935A3		WO 9965882	Based on
KR2001052880A	December 15, 2000	2000KR-0714219	
HU 200102663A2	June 2, 1999	1999WO-EP03817	
HU 200102663A2	June 2, 1999	2001HU-0002663	
HU 200102663A2		WO 9965882	Based on
JP2002518378W	June 2, 1999	1999WO-EP03817	
JP2002518378W	June 2, 1999	2000JP-0554708	
JP2002518378W		WO 9965882	Based on
US20020091260A1	June 14, 1999	1999US-0332222	Cont of
US20020091260A1	December 18, 2001	2001US-0024425	

INT-CL (IPC): A01 N 0/00; A01 N 43/66; A01 N 43/68; C07 C 211/27; C07 C 279/26; C07 D 251/18; C07 D 251/22; C07 D 251/44 ; C07 D 251/48; C07 D 251/54; C07 D 403/12; C07 D 405/12; C07 D 405/14; C07 D 407/12; C07 D 413/12; C07 D 417/12

ABSTRACTED-PUB-NO: DE 19925329A
BASIC-ABSTRACT:

NOVELTY - 2-Amino-1,3,5-triazine derivatives (I) are new.

DETAILED DESCRIPTION - 2-Amino-1,3,5-triazine derivatives of formula (I) and their salts are new:

R1 = optionally substituted aryl, 3-9C cycloalkyl or heterocyclyl; or 1-6C alkyl, 2-6C alkenyl or 2-6C alkynyl optionally substituted by halogen, OH, CN, NO2, SCN, 1-4C alkoxy, 1-4C haloalkoxy, 2-4C alkenyloxy, 2-4C haloalkenyloxy, 1-4C alkylthio, 1-4C alkylsulfinyl, 1-4C alkylsulfonyl, 1-4C haloalkylsulfinyl, 1-4C haloalkylsulfonyl, optionally substituted 3-9C cycloalkyl, optionally substituted phenyl, optionally substituted heterocyclyl, C(Z')R', ZC(Z')R', C(Z')ZR', C(Z')NR'R, OC(Z')ZR', ZC(Z')NR'R, N(R)C(Z')ZR' and/or N(R')C(Z')NR'R;

R', R, R' = optionally substituted 1-6C alkyl, aryl, aryl(1-6C)alkyl, 3-9C cycloalkyl or (3-9C)cycloalkyl(1-6C)alkyl;

Z, Z' = O or S;

R2 = optionally substituted 3-9C cycloalkyl, 4-9C cycloalkenyl, heterocyclyl or phenyl;

R3 = H; optionally substituted 1-6C alkyl, aryl or 3-9C cycloalkyl; or N(B1D1)(B2D2)

or N(R)N(B1D1)(B2D2);

R = H, 1-6C alkyl or 2-5C alkanoyl;

R4 = B3D3;

A1 = linear 1-5C alkylene, 2-5C alkenylene or 2-5C alkynylene optionally substituted by halogen, NO2, CN, SCN and/or B4D4;

A2 = a bond; linear 1-4C alkylene, 2-5C alkenylene or 2-5C alkynylene optionally substituted by halogen, NO2, CN, SCN and/or B5D5; or CR6R7-W asterisk -CR8R9, CR10R11-W asterisk -CR12R13-CR14R15, CR16R17-CR18R19-W asterisk -CR20R21, CR22R23-CR24R25-W asterisk or CR26R27-W asterisk ;

R6-R27 = H, halogen, NO2, CN, SCN or B6D6

W asterisk = O, S or N(B7D7);

B1, B2, B3, B7 = bonds, C(Z asterisk), C(Z asterisk)Z asterisk asterisk , C(Z asterisk)NH or C(Z asterisk)NR asterisk ;

Z asterisk , Z asterisk asterisk = O or S;

R asterisk = optionally substituted 1-6C alkyl, aryl, aryl(1-6C)alkyl, 3-9C cycloalkyl or (3-9C)cycloalkyl(1-6C)alkyl;

B4, B5, B6 = bonds, O, SOp, SOpO, OSOp, CO, OCO, COO, SCO, COS, SCS, CSS, OCOO, NR0, ONR0, NR0O, NR0CO, CONR0, OCONR0 or NR0COO;

p = 0-2;

R0 = H or optionally substituted 1-6C alkyl, aryl, aryl(1-6C)alkyl, 3-9C cycloalkyl or (3-9C)cycloalkyl(1-6C)alkyl;

D1-D4, D6 = = H or optionally substituted 1-6C alkyl, aryl, aryl(1-6C)alkyl, 3-9C cycloalkyl or (3-9C)cycloalkyl(1-6C)alkyl;

D5 = H or optionally substituted 1-6C alkyl, aryl, aryl(1-6C)alkyl, 3-9C cycloalkyl or (3-9C)cycloalkyl(1-6C)alkyl, or D5+D5 = 2-4C alkylene optionally substituted by 1-4C alkyl and/or 1-4C alkoxy;

X = halogen, OH, NH2, NO2, CHO, COOH, CN, SCN OR CONH2; optionally substituted 1-6C alkyl, 1-6C alkoxy, 1-6C alkylthio, mono- or di(1-6C alkyl)amino, 2-6C alkenyl, 2-6C alkynyl, 2-7C alkanoyl, 2-7C alkoxycarbonyl, mono- or di(1-6C alkyl)carbamoyl, 1-6C alkanoylamino or N-(1-6C alkanoyl)-N-(1-4C alkyl)amino; or optionally substituted 3-9C cycloalkyl, 3-9C cycloalkoxy, 3-9C cycloalkylamino, phenyl, phenoxy, phenylthio, benzoyl, heterocyclyl, heterocyclyloxy, heterocyclylthio or heterocyclylamino; or adjacent X+X forms a 4- to 6-membered fused ring that optionally contains O, S and/or N atoms and is optionally substituted by halogen, 1-4C alkyl or oxo; n = 0-5;

heterocyclyl = a 3- to 7-membered ring containing 1-3 heteroatoms selected from N, O and S;

A1 and A2R2 contain a total of at least 6 C atoms or A1 and A2R2 contain a total of 5 C atoms and A1 = CH2 or CH2CH2 and R1 = optionally substituted 1-4C alkyl, 1-4C haloalkyl, 2-6C haloalkenyl or 3-9C cycloalkyl.

INDEPENDENT CLAIMS are also included for the following: (1) a process for preparing compounds (I); (2) intermediates of formula (III) and (V):

ACTIVITY - Herbicidal; plant growth regulatory. 2-Amino-4-isopropyl-6-(3-p-henyl-1-cyclobutylpropylamino)-1,3,5-triazine had very good pre-emergence activity against Stellaria media, Lolium multiflorum, Amaranthus retroflexus, Sinapis alba, Avena sativa and Setaria viridis at application rates of 1 kg/ha or less.

MECHANISM OF ACTION - None given.

USE - (I) are herbicides and plant growth regulators, especially useful for selective pre- and post-emergence control of dicot and monocot weeds in dicot crops, e.g. soya, cotton, oilseed rape, sugar beet and potatoes, and in some cases in monocot crops, e.g. barley, wheat, rye, sorghum, maize or rice.

ABSTRACTED-PUB-NO: US20020091260A
EQUIVALENT-ABSTRACTS:

NOVELTY - 2-Amino-1,3,5-triazine derivatives (I) are new.

DETAILED DESCRIPTION - 2-Amino-1,3,5-triazine derivatives of formula (I) and their salts are new:

R1 = optionally substituted aryl, 3-9C cycloalkyl or heterocyclyl; or 1-6C alkyl, 2-6C alkenyl or 2-6C alkynyl optionally substituted by halogen, OH, CN, NO2, SCN, 1-4C alkoxy, 1-4C haloalkoxy, 2-4C alkenyloxy, 2-4C haloalkenyloxy, 1-4C alkylthio, 1-4C alkylsulfinyl, 1-4C alkylsulfonyl, 1-4C haloalkylsulfinyl, 1-4C haloalkylsulfonyl, optionally substituted 3-9C cycloalkyl, optionally substituted phenyl, optionally substituted heterocyclyl, C(Z')R', ZC(Z')R', C(Z')ZR', C(Z')NR'R, OC(Z')ZR', ZC(Z')NR'R, N(R)C(Z')ZR' and/or N(R')C(Z')NR'R;

R', R, R' = optionally substituted 1-6C alkyl, aryl, aryl(1-6C)alkyl, 3-9C cycloalkyl or (3-9C)cycloalkyl(1-6C)alkyl;

Z, Z' = O or S;

R2 = optionally substituted 3-9C cycloalkyl, 4-9C cycloalkenyl, heterocyclyl or phenyl;

R3 = H; optionally substituted 1-6C alkyl, aryl or 3-9C cycloalkyl; or N(B1D1)(B2D2) or N(R)N(B1D1)(B2D2);

R = H, 1-6C alkyl or 2-5C alkanoyl;

R4 = B3D3;

A1 = linear 1-5C alkylene, 2-5C alkenylene or 2-5C alkynylene optionally substituted by halogen, NO2, CN, SCN and/or B4D4;

A2 = a bond; linear 1-4C alkylene, 2-5C alkenylene or 2-5C alkynylene optionally substituted by halogen, NO2, CN, SCN and/or B5D5; or CR6R7-W asterisk -CR8R9, CR10R11-W asterisk -CR12R13-CR14R15, CR16R17-CR18R19-W asterisk -CR20R21, CR22R23-CR24R25-W asterisk or CR26R27-W asterisk ;

R6-R27 = H, halogen, NO2, CN, SCN or B6D6

W asterisk = O, S or N(B7D7);

B1, B2, B3, B7 = bonds, C(Z asterisk), C(Z asterisk)Z asterisk asterisk , C(Z asterisk)NH or C(Z asterisk)NR asterisk ;

Z asterisk , Z asterisk asterisk = O or S;

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B4, B5, B6 = bonds, O, SOp, SOpO, OSOp, CO, OCO, COO, SCO, COS, SCS, CSS, OCOO, NR0, ONR0, NR0O, NR0CO, CONR0, OCONR0 or NR0COO;

p = 0-2;

R0 = H or optionally substituted 1-6C alkyl, aryl, aryl(1-6C)alkyl, 3-9C cycloalkyl

or (3-9C)cycloalkyl(1-6C)alkyl;

D1-D4, D6 = = H or optionally substituted 1-6C alkyl, aryl, aryl(1-6C)alkyl, 3-9C cycloalkyl or (3-9C)cycloalkyl(1-6C)alkyl;

D5 = H or optionally substituted 1-6C alkyl, aryl, aryl(1-6C)alkyl, 3-9C cycloalkyl or (3-9C)cycloalkyl(1-6C)alkyl, or D5+D5 = 2-4C alkylene optionally substituted by 1-4C alkyl and/or 1-4C alkoxy;

X = halogen, OH, NH2, NO2, CHO, COOH, CN, SCN OR CONH2; optionally substituted 1-6C alkyl, 1-6C alkoxy, 1-6C alkylthio, mono- or di(1-6C alkyl)amino, 2-6C alkenyl, 2-6C alkynyl, 2-7C alkanoyl, 2-7C alkoxycarbonyl, mono- or di(1-6C alkyl)carbamoyl, 1-6C alkanoylamino or N-(1-6C alkanoyl)-N-(1-4C alkyl)amino; or optionally substituted 3-9C cycloalkyl, 3-9C cycloalkoxy, 3-9C cycloalkylamino, phenyl, phenoxy, phenylthio, benzoyl, heterocyclyl, heterocyclyloxy, heterocyclylthio or heterocyclylamino; or adjacent X+X forms a 4- to 6-membered fused ring that optionally contains O, S and/or N atoms and is optionally substituted by halogen, 1-4C alkyl or oxo; n = 0-5;

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CHOSEN-DRAWING: Dwg.0/0

DERWENT-CLASS: C02
CPI-CODES: C07-D13; C14-U01; C14-V01; C14-V03A; C14-V03B;